

# Weekly Report

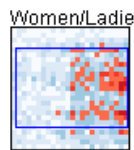
Pingping Shang

2013.9.23~2013.9.29

## Work in this week

### 1. Mosaic Project

- 1) Added operation: Select an area which will be considered only in next analysis.



- 2) Adjust the Self Organization Map in C++ to JAVA. Because of the effect of MDS's and PCA's are not well, we try to apply SOM to classify the blocks (goods). The effect is not well now, however.

### 2. Read papers and material

A. Frequent pattern and association rules. There are a lot of research about association rules in data mining. Discussed with Xie Cong, we don't find a suitable chance to raise efficiency with visualization. What we derived is that we people can find experience which computer could not hold. For example, we can find from the visualization that most goods is similar in the age level ">50", so we can consider this area as redundancy or noise.

#### B. "A Partition-Based Framework for Building and Validating Regression Models"

They quantify the relationship with visualization and rank features which may be categorical or continuous.

#### C. Read the books for my Theme Talk next seminar. ("Visualization Design and Analysis: Abstractions, Principles, and Methods" written by Tamara Munzner)

## Plan for next week

Finish the effect of SOM and try to abstract some rules.